REPORT DOCUMENTATION PAGE

Form Approved
OMB No. 0704-01-0188

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1. REPORT DATE *(DD-MM-YYYY)*	2. REPORT TYPE	3. DATES COVERED *(From - To)*
09-1998	Flyer	

4. TITLE AND SUBTITLE
Simulated Inertial GPS Navigation Laboratory (SIGNaL)

5a. CONTRACT NUMBER

5b. GRANT NUMBER

5c. PROGRAM ELEMENT NUMBER

6. AUTHORS
B. Olds

5d. PROJECT NUMBER

5e. TASK NUMBER

5f. WORK UNIT NUMBER

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
SSC San Diego
53560 Hull Street
San Diego, CA 92152-5001

8. PERFORMING ORGANIZATION REPORT NUMBER
SD 055 Rev 2

9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)

10. SPONSOR/MONITOR'S ACRONYM(S)

11. SPONSOR/MONITOR'S REPORT NUMBER(S)

12. DISTRIBUTION/AVAILABILITY STATEMENT
Approved for public release; distribution is unlimited.

13. SUPPLEMENTARY NOTES

14. ABSTRACT
This flyer describes the Simulated Inertial GPS Navigation Laboratory (SIGNaL) at SSC San Diego.

15. SUBJECT TERMS
GPS
Simulated Inertial GPS Navigation Laboratory (SIGNaL)

16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT	18. NUMBER OF PAGES	19a. NAME OF RESPONSIBLE PERSON
a. REPORT	b. ABSTRACT	c. THIS PAGE			Bob Olds, D30
U	U	U	UU	1	19B. TELEPHONE NUMBER *(Include area code)* (619) 553-6313

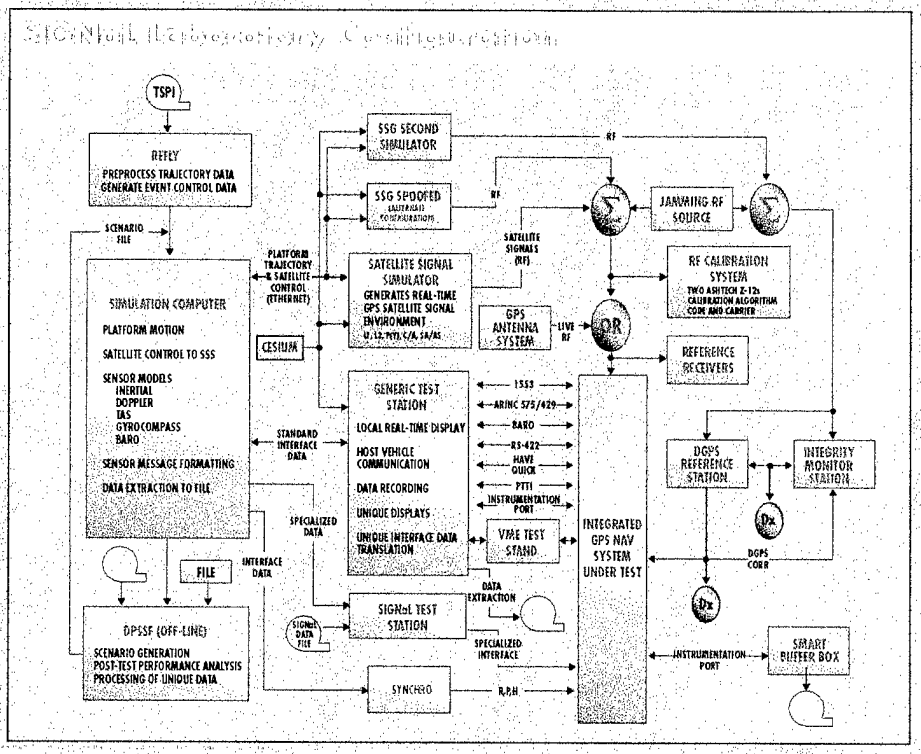
SIGNaL enables dynamic, consistent laboratory testing of an entire configuration and all aspects of Embedded GPS Systems (EGI, GINA, Embedded Doppler, and Receiver Cards).

SSC San Diego SIGNaL Central Engineering Activity Capabilities

- **Dynamic laboratory testing**
- **Dual simultaneous EGI testing**
- **Validation and utilization for both Honeywell and Litton EGIs**
- **Extensive software menuization, error generation, and analysis**
- **Proposed standard SIGNaL interface**
- **Better alternative to static laboratory or non-repeatable dynamic field testing**

Particularly Useful for Laboratory

- **Re-Fly Testing and Troubleshooting**
- **Integrity Testing**
- **Vulnerability Testing**
- **Navigation Performance and Kalman Filter Analysis**
- **Dynamic Edge of Envelope Testing**
- **Special Integration Issue Analysis**



For additional information, contact:
Sudipta Mohanty email: smohanty@spawar.navy.mil
phone: 619•553•1391

SD 055 Rev 2
September 1998
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